

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
 Data File : VX045032.D
 Acq On : 25 Feb 2025 12:30
 Operator : JC/MD
 Sample : VX0225WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/26/2025
 Supervised By : Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 03:13:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	112915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	200483	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	175398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	80174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	87564	52.977	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.960%			
35) Dibromofluoromethane	5.379	113	68805	52.786	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.580%			
50) Toluene-d8	8.647	98	249185	50.555	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.120%			
62) 4-Bromofluorobenzene	11.079	95	85680	51.563	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.120%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	28050	17.712	ug/l	100
3) Chloromethane	1.307	50	29473	15.291	ug/l	97
4) Vinyl Chloride	1.374	62	30981	16.591	ug/l	99
5) Bromomethane	1.593	94	11486	20.556	ug/l	97
6) Chloroethane	1.672	64	16625	21.104	ug/l	98
7) Trichlorofluoromethane	1.880	101	43909	18.594	ug/l	97
8) Diethyl Ether	2.136	74	16376	19.122	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	27245	19.096	ug/l	100
10) Methyl Iodide	2.447	142	25726	13.913	ug/l	96
11) Tert butyl alcohol	2.971	59	33544	109.394	ug/l	99
12) 1,1-Dichloroethene	2.312	96	24745	17.002	ug/l	97
13) Acrolein	2.233	56	25019	79.081	ug/l	97
14) Allyl chloride	2.660	41	47611	18.101	ug/l	96
15) Acrylonitrile	3.062	53	87273	106.598	ug/l	98
16) Acetone	2.380	43	75220	113.203	ug/l	96
17) Carbon Disulfide	2.501	76	61168	15.327	ug/l	99
18) Methyl Acetate	2.703	43	51568	24.593	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	86972	18.782	ug/l	98
20) Methylene Chloride	2.782	84	30031	18.452	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	25284	17.651	ug/l	92
22) Diisopropyl ether	3.757	45	96394	19.371	ug/l #	86
23) Vinyl Acetate	3.721	43	389594	96.035	ug/l	100
24) 1,1-Dichloroethane	3.605	63	51948	18.657	ug/l	99
25) 2-Butanone	4.556	43	125165	116.004	ug/l	95
26) 2,2-Dichloropropane	4.471	77	39084	17.701	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	32345	18.799	ug/l	98
28) Bromochloromethane	4.897	49	28300	21.150	ug/l	99
29) Tetrahydrofuran	5.007	42	82477	115.117	ug/l	96
30) Chloroform	5.092	83	52851	19.573	ug/l	92
31) Cyclohexane	5.470	56	43850	17.083	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	42871	18.718	ug/l	98
36) 1,1-Dichloropropene	5.690	75	35238	18.738	ug/l	98
37) Ethyl Acetate	4.714	43	44803	21.419	ug/l	99
38) Carbon Tetrachloride	5.672	117	36171	19.628	ug/l	95
39) Methylcyclohexane	7.373	83	44297	18.220	ug/l	99
40) Benzene	6.031	78	112321	19.128	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	25608	22.872	ug/l	98
42) 1,2-Dichloroethane	6.086	62	39901	21.320	ug/l	99
43) Isopropyl Acetate	6.342	43	72051	21.331	ug/l	98
44) Trichloroethene	7.123	130	25763	19.194	ug/l	99
45) 1,2-Dichloropropane	7.427	63	28923	19.798	ug/l	96
46) Dibromomethane	7.580	93	20964	20.692	ug/l	98
47) Bromodichloromethane	7.818	83	40022	20.401	ug/l	99
48) Methyl methacrylate	7.690	41	34929	21.931	ug/l	97
49) 1,4-Dioxane	7.659	88	15255	446.435	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	244157	118.897	ug/l	97
52) Toluene	8.714	92	68535	19.597	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	37069	18.673	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	42772	19.324	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	27858	20.722	ug/l	97
56) Ethyl methacrylate	9.116	69	43256	19.922	ug/l	97
57) 1,3-Dichloropropane	9.305	76	48017	20.413	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	93678	87.867	ug/l	100
59) 2-Hexanone	9.427	43	178305	120.511	ug/l	97
60) Dibromochloromethane	9.518	129	29060	20.212	ug/l	99
61) 1,2-Dibromoethane	9.610	107	27734	20.354	ug/l	98
64) Tetrachloroethene	9.275	164	21268	19.227	ug/l	95
65) Chlorobenzene	10.079	112	73498	19.510	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	23471	19.356	ug/l	97
67) Ethyl Benzene	10.189	91	126463	19.022	ug/l	99
68) m/p-Xylenes	10.299	106	95213	38.825	ug/l	100
69) o-Xylene	10.640	106	47911	19.470	ug/l	100
70) Styrene	10.652	104	79389	20.025	ug/l	99
71) Bromoform	10.799	173	18971	20.964	ug/l #	100
73) Isopropylbenzene	10.957	105	122826	19.026	ug/l	100
74) N-amyl acetate	10.841	43	56740	19.423	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	43721	19.709	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	35383m	19.905	ug/l	
77) Bromobenzene	11.195	156	29066	19.860	ug/l	93
78) n-propylbenzene	11.305	91	140796	18.896	ug/l	100
79) 2-Chlorotoluene	11.360	91	85351	18.638	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	101697	19.413	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	11282	16.327	ug/l	87
82) 4-Chlorotoluene	11.451	91	95392	18.828	ug/l	98
83) tert-Butylbenzene	11.713	119	103475	19.525	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	101154	19.564	ug/l	98
85) sec-Butylbenzene	11.890	105	125785	19.167	ug/l	100
86) p-Isopropyltoluene	12.006	119	100881	19.116	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	50150	18.633	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	50714	18.636	ug/l	99
89) n-Butylbenzene	12.329	91	87150	18.666	ug/l	99
90) Hexachloroethane	12.536	117	18072	18.288	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	50875	19.233	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8167	20.172	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	28457	17.779	ug/l	99
94) Hexachlorobutadiene	13.725	225	12009	18.900	ug/l	98
95) Naphthalene	13.774	128	109343	18.898	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	29764	18.454	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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